



DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
WASHINGTON, DC 20350-2000

IN REPLY REFER TO
OPNAVINST 3501.9C
OP-375
24 MAY 1988

OPNAV INSTRUCTION 3501.9C

From: Chief of Naval Operations

Subj: PROJECTED OPERATIONAL ENVIRONMENT (POE) AND REQUIRED
OPERATIONAL CAPABILITIES (ROC) FOR THE SURIBACHI/NITRO
(AE 21/23) CLASSES OF AMMUNITION SHIPS

Ref: (a) OPNAVINST C3501.2G (NOTAL)

Encl: (1) Projected Operational Environment (POE) for AE 21/23
Class Ships
(2) Required Operational Capabilities (ROC) for AE 21/23
Class Ships


1. Purpose. To issue a complete revision to the Projected Operational Environment (POE) and the Required Operational Capabilities (ROC) for the SURIBACHI and NITRO (AE 21/23) classes of ammunition ships.

2. Cancellation. OPNAVINST 3501.9B.

3. Discussion. Enclosures (1) and (2) provide the necessary details to describe the mission areas and operational capabilities for which the SURIBACHI/NITRO (AE 21/23) Classes were designed and organized. Together, they establish personnel requirements requisite for developing the Ship's Manning Document (SMD).

4. Information. The information contained here supplements reference (a). Initial distribution has been made to commands concerned.

5. Action. Fleet Commanders in Chief are requested to periodically review enclosures (1) and (2), and recommend to the Chief of Naval Operations (Attn: OP-375) changes as may be appropriate when capability of the Class is significantly altered.


J.W. McQUIST
Assistant Chief of Naval Operations
(Surface Warfare)

Distribution:

SNDL 21A (Fleet Commanders in Chief and Detachment)

OPNAVINST 3501.9C

24 MAY 1988

Copy to:

SNDL A5 (Bureaus) (CHNAVPERS, only)
 22A (Fleet Commanders)
 24D (Surface Force Commanders)
 26F (Operational Test and Evaluation Force and
 Detachment)
 28J (Service Group and Squadron)
 32C (Ammunition Ship) (USS SURIBACHI (AE 21), (USS
 NITRO AE 23), (USS HALEAKALA (AE 25), only)
 FF8 (Inspection and Survey Board)
 FJA10 (Manpower Engineering Center)
 FKA1G (Sea Systems Command) (3)
 FKP1G (Ship Weapon Systems Engineering Station)
 FL1 (COMNAVDAC) (Code 813, only) (20)
OPs 08, 094, 07, 098, 04, 111, 12, 32, 35, 37 (25), 39, 642,
03R, and 095

Stocked:

CO, NAVPUBFORMCEN
5801 Tabor Avenue
Philadelphia, PA 19120-5099 (100 copies)

24 MAY 1988

PROJECTED OPERATIONAL ENVIRONMENT
FOR AE 21/23 CLASS AMMUNITION SHIPS

1. At sea in wartime.
2. Capable of performing all offensive and defensive functions simultaneously while in Readiness Condition I.
3. Capable of performing other functions which are not required to be performed simultaneously.
4. Continuous Readiness Condition III at sea. No armament is manned during Underway Replenishment evolutions.
5. Conduct underway replenishment in support of operating forces by simultaneously providing ammunition from 6 stations (2 starboard and 4 port) and stores, fleet freight, mail, personnel and other items from one station (either port or starboard); for periods normally not to exceed 32 hours per week. For purposes of SMD development, UNREP hours are considered to commence with "first line over" and terminate with "last line clear." All other workloads such as rigging, prestaging of cargo, safety briefing, etc., will be counted under Utility Tasks and Evolutions (UT&E).
6. Conduct vertical replenishment in support of operating forces by providing ammunition, stores, fleet freight, mail, personnel and other items from one helicopter platform with helicopters from other units for periods normally not to exceed 32 hours per week. This includes the time from the setting of flight quarters to securing from flight quarters.
7. Capable of performing all maintenance for which ship's company is assigned responsibility.
8. Capable of supporting an embarked underway replenishment group staff subject to constraints imposed by existing installed ship-board communications equipment.
9. Primary and secondary mission areas are:

<u>AAW</u> (F)(U)	<u>ASU</u> (F)(U)	<u>ASW</u>	<u>CCC</u> (F)(U)	<u>ELW</u> (F)(U)	<u>FSO</u>	<u>INT</u>	<u>LOG</u>	<u>MOB</u> (F)(U)	<u>NCO</u>
S	S	S	P	S	S	S	P	P	S

Enclosure (1)

REQUIRED OPERATIONAL CAPABILITIES
FOR THE SURIBACHI/NITRO (AE 21/23) CLASS

	<u>I</u>	<u>III</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
a. <u>ANTI-AIR WARFARE (AAW)</u>						
AAW 3 - Engage air targets during battle group operations in cooperation with other forces.	F	P				
III(P) Only one 3"/50 mount, without magazine, manned.						
AAW 6 - Detect, identify and track air targets.						
AAW 6.2 Recognize by sight friendly and enemy aircraft which may be encountered in expected operating areas.	F	F	F	F		
AAW 9 - Engage airborne threats using surface-to-air armament.						
AAW 9.4 Engage low/medium/high altitude airborne threats with gunfire.	F	P				
III(P) Only one 3"/50 mount, without magazine, manned.						
AAW 9.6 Engage airborne threats utilizing softkill weapons systems (i.e., chaff/decoys).	F	F				
b. <u>ANTI-SURFACE SHIP WARFARE (ASU)</u>						
ASU 1 - Engage surface threats with antisurface armaments.						
ASU 1.5 Engage surface ships with intermediate caliber gunfire.	F	P				

24 MAY 1988

		<u>I</u>	<u>III</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
	III(P) Only one 3"/50 mount, without magazine, manned.						
ASU 1.6	Engage surface ships with minor caliber gunfire.	P	P				
	NOTE: I(P), III(P) Manned by other watch personnel.						
ASU 1.9	Engage surface ships with small arms gunfire.	P	P		P		
	NOTE: I(P), III(P), IP(P) Augment with Ships Self Defense Force (SSDF)						
ASU 4	- Detect, identify, localize and track surface ship targets.						
ASU 4.1	Detect, localize and track surface contacts with radar.	F	F	F	F		
ASU 4.4	Detect and track surface contacts visually.	F	F	F	F		
ASU 4.6	Detect and track surface contacts by Electronic Support Measures (FSM).	F	F	P	F		
	R(P) Single man operations.						
ASU 4.7	Identify surface contacts.	F	F	F	F		
ASU 6	- Disengage, evade and avoid surface attack.						
ASU 6.1	Employ countermeasures.	F	F		F		
ASU 6.2	Employ evasion techniques.	F	F		F		
c.	<u>ANTISUBMARINE WARFARE (ASW)</u>						
ASW 10	- Disengage, evade and avoid submarine attack by employing	F	F				

24 MAY 1988

<u>I</u>	<u>III</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
----------	------------	----------	-----------	-----------	--------------

torpedo countermeasures and evasion techniques.

d. COMMAND AND CONTROL AND COMMUNICATIONS (CCC)

CCC 2 - Coordinate and control the operations of the task organization or functional force to carry out assigned missions.

CCC 2.6 Function as force or sector OTC/CWC (or alternate) to coordinate and control Battle Group/Task Force operations.

F	F	F	F		
---	---	---	---	--	--

CCC 2.8 Function as on-scene commander for a SAR operation.

F	F		F		
---	---	--	---	--	--

CCC 2.15 Function as one or more of the following coordinators for force or sector.
(1) Air Element Coordinator (AREC)

F	F	F	F	F	
---	---	---	---	---	--

CCC 3 - Provide own unit's command and control functions.

CCC 3.1 Maintain a Combat Information Center (CIC) that is capable of collecting, processing, displaying, evaluating and disseminating tactical information.

F	F	F	F		
---	---	---	---	--	--

CCC 3.2 Respond correctly to nuclear weapons authentication system messages.

F	F	F	F	F	
---	---	---	---	---	--

CCC 3.3 Carry out emergency destruction of classified matter and equipment rapidly and efficiently.

F	P	P	P	P	E
---	---	---	---	---	---

24 MAY 1988

		<u>I</u>	<u>III</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
	III(P), R(P), IV(P), IP(P) Augmented by special detail.						
CCC 3.4	Employ IFF/SIF including secure IFF Mode 4.	F	F	F	F		
CCC 3.6	Maintain a Combat Informa- tion Center (CIC) that is capable of supporting a Tactical Action Officer (TAO).	F	F				
CCC 4	Maintain NTDS or data link capability.						
CCC 4.7	Receive Link 14 informa- tion.	F	F	F	F		
CCC 6	Provide communications for own unit.						
CCC 6.1	Provide tactical voice communications.	F	F	F	F		
CCC 6.2	Maintain visual communi- cations.	F	P	F	P	P	A
	III(P), IV(P) Maintain watch and communicate with one contact.						
	IP(P) Augmented by off-watch personnel.						
CCC 6.3	Maintain multichannel cryptographically covered teletype receive circuits.	F	F	F	F	P	A
	JP(P) Augmented by off-watch personnel.						
CCC 6.4	Maintain uncovered RATT/ CW communications.	F	F	F	F	P	A

		<u>I</u>	<u>III</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
	IP(P) Augmented by off-watch personnel.						
CCC 6.5	Maintain full duplex cryptographically covered HF teletype circuits.	F	F	F	F	P	A
	IP(P) Augmented by off-watch personnel.						
CCC 6.6	Process message traffic.	F	F	F	F	P	A
	IP(P) Augmented by off-watch personnel.						
CCC 6.9	Maintain multichannel cryptographically covered teletype send and receive circuits.	F	F	F	F	P	A
	IP(P) Augmented by off-watch personnel.						
CCC 6.10	Maintain voice/teletype/computer data cryptographically covered satellite communication circuits.	F	F	F	F	P	A
	IP(P) May require augmentation by off-watch personnel.						
CCC 6.12	Maintain internal communications systems.	F	F	F	F	F	
CCC 6.18	Provide tactical secure voice communication.	F	F	F	F	F	
CCC 7	- Implement Operations Security (OPSEC) measures and conduct military deception actions.						
CCC 7.2	Execute OPSEC measures.	F	F				
CCC 7.4	Execute Navy operational deception actions using tactics, operations,	F	F				

24 MAY 1988

	<u>I</u>	<u>III</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
exercises or physical means.						
CCC 9 - Relay naval communications.						
CCC 9.1 Relay visual communications.	F	P	F	P	P	
III(P), IV(P) Work one contact and maintain watch simultaneously.						
IP(P) Capability reduced due to personnel ashore.						
CCC 9.3 Relay electronic communications.	F	F	F	F	P	A
IP(P) Augmented by off-watch personnel.						
e. <u>ELECTRONIC WARFARE (ELW)</u>						
ELW 1 - Conduct Electronic Warfare Support Measures (ESM) operations.						
ELW 1.1 Conduct search for, and intercept of threat related communication and/or non-communication signals.	F	F	F	F		
R(P) Single man operation.						
ELW 1.2 Provide identity of threat weapons/C3 systems signals.	F	F	F	F		
ELW 1.3 Provide identity of threat platforms communication and noncommunication signal sources.	F	F	F	F		
ELW 1.4 Provide location (or targeting information) of threat weapons/C3 systems/platforms/signal sources.	F	F	F	F		

	<u>I</u>	<u>III</u>	<u>P</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
ELW 1.5 Provide timely threat alert for actions involving Electronic Countermeasures (ECM), Electronic Counter-Countermeasures (FCCM), Emission Control (EMCON), avoidance, and targeting.	F	F	F	F		
ELW 4 - Conduct Electromagnetic Acoustic Emission Control (EMCON) operations.						
ELW 4.1 Implement appropriate/directed electromagnetic/acoustic EMCON condition.	F	F		F		
ELW 4.2 Transition rapidly from one EMCON condition to another.	F	F		F		
ELW 4.3 Monitor own unit compliance with EMCON condition in effect.	F	F		F		
f. <u>FLEET SUPPORT OPERATIONS (FSO)</u>						
FSO 5 - Conduct towing/search/salvage/rescue operations.						
FSO 5.3 Conduct rescue operations. I(P) Must secure personnel for special detail.	P	F		F		E
FSO 6 - Support/conduct Search And Rescue (SAR) operations in a combat/noncombat environment.						
FSO 6.4 Recover man overboard. III(P), R(P), IV(P), IP(P) May require augmentation by special detail.	F	P	P	P	P	E

24 MAY 1988

		<u>I</u>	<u>III</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
FSO 6.6	Conduct search and rescue operations (including operations involving submarine disasters/rescues).	F	F		F		
FSO 6.7	Conduct general surveillance.	F	F		F		
FSO 6.9	Report situation assessment.	F	F		F		
FSO 6.10	Coordinate SAR operations.	F	F		F		
FSO 6.11	Conduct multi-unit SAR operations.	F	F		F		
FSO 7 - Provide explosive ordnance disposal services.							
FSO 7.1	Render safe damaged or armed nuclear weapons.	P	P	P	P	P	E
FSO 7.2	Conduct Alpha, Beta and Gamma monitoring.	P	P	P	P	P	E
FSO 7.3	Conduct tritium monitoring.	P	P	P	P	P	E
FSO 7.4	Conduct neutron monitoring.	P	P	P	P	P	E
FSO 7.6	Render safe U. S. and foreign explosive ordnance underwater.	P	P	P	P	P	E
FSO 7.9	Conduct ordnance disposal and demolition operations.	P	P	P	P	P	E
FSO 7.10	Perform chemical and biological agent detoxification and disposal.	P	P	P	P	P	E
FSO 7.12	Provide technical escort for transportation or movement of chemical, biological, toxicological or etiologial agents.	P	P	P	P	P	E
FSO 7.16	Conduct scuba diving operations.					P	E

24 MAY 1988

	<u>I</u>	<u>III</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
FSO 7.19 Render safe U. S. and foreign Improvised Explosive Devices (IED).	P	P	P	P	P	E
FSO 7.21 Conduct small craft operations in support of FOD missions.					P	E
NOTE: All FSO 7 ROCs listed as partial capability exists only with FOD detachment on board.						
FSO 8 - Coordinate port control functions under emergency conditions.						
FSO 8.1 Provide organic portable communications equipment and facilities for establishing ship to shore local area tactical communications.					P	A
IP(P) Assigned communications officer provide.						
FSO 8.2 Provide personnel qualified to contract for hire and charter of port services, including pilotage, barges, tugs, and indigenous labor.					P	A
IP(P) Assigned Supply Officer provide.						
FSO 9 - Provide routine health care.						
FSO 9.1 Conduct daily sick call.		F		F	F	
FSO 9.3 Conduct lab diagnostic services.		F		F	F	
FSO 9.4 Conduct ward care.	F	F	F	F	F	

24 MAY 1988

	<u>I</u>	<u>III</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
FSO 9.5 Conduct sanitation and safety inspections and provide preventive medicine instruction.		F		F	F	
FSO 9.6 Conduct appropriate industrial hygiene/environment health monitoring and occupational safety and health training.		F		F	F	
FSO 9.9 Conduct associated administrative services.		F		F	F	
FSO 9.10 Conduct on site emergency medical treatment during hazardous evolutions including flight quarters, underway replenishment/refueling, and amphibious assault boat operations.	F	F	F	F	F	
FSO 10 - Provide first aid assistance.						
FSO 10.1 Identify, equip and maintain appropriate first aid spaces.		F		F	F	
FSO 10.2 Train assigned personnel in first aid, self and buddy aid procedures.		F		F	F	
FSO 11 - Provide triage.						
FSO 11.1 Identify, equip and maintain suitable triage spaces.	F	F	F	F	F	
FSO 11.2 Train assigned medical/dental personnel in triage care.		F		F	F	
FSO 11.3 Provide for augmentation by specialized personnel and equipment.	P	P	P	P	P	

	<u>I</u>	<u>III</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
I(P), III(P), R(P), IP(P) Limited by available space.						
FSO 12 - Provide resuscitation.						
FSO 12.1 Identify, equip and maintain suitable resuscitation spaces.	F	F	F	F	F	
FSO 12.2 Train assigned medical/dental personnel in resuscitation.		F		F	F	
FSO 13 - Provide definitive care.						
FSO 13.1 Provide emergency minor surgery by hospitalman. Identify, equip and maintain suitable operating space, utilizing local anesthesia, appropriate sterilizer, laundry, supply and medical instrument support spaces.	F	F	F	F	F	
FSO 13.3 Provide for recovery beds.	F	F	F	F	F	
FSO 13.4 Provide for augmentation by specialized personnel and equipment.	P	P	P	P	P	
I(P), III(P), R(P), IV(P), IP(P) Limited by available space.						
FSO 14 - Provide medical regulation of casualties.						
FSO 14.4 Provide for transfer/evacuation of patients.	P	P	P	P	P	
I(P), III(P), R(P), IV(P), IP(P) Helo embarked.						
FSO 15 - Provide suitable convalescent ward space.						

24 MAY 1988

	<u>I</u>	<u>III</u>	<u>P</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
FSO 15.1 Provide suitable convalescent ward service. IV(P) Limited facilities.				P		
FSO 15.2 Provide for augmentation by specialized personnel and equipment. IV(P) Limited by available space.				P		
FSO 20 - Provide fleet training services.						
FSO 20.1 Act as target for submarines.	F	F	F	F		
FSO 20.6 Act as delivery or receiving ship for underway replenishment training.				F		
FSO 20.10 Provide technical guidance and assistance to fleet units in cargo handling and underway replenishment operations.				F		
FSO 20.11 Provide cargo handling training to assigned personnel and designated augmentees.				F		F
g. <u>INTELLIGENCE (INT)</u>						
INT 1 - Support/conduct intelligence collection.						
INT 1.1 Support/conduct electronic intelligence information collection.	F	F				
INT 1.5 Support/conduct radar intelligence information collection.	F	P		P	P	E

24 MAY 1988

	<u>I</u>	<u>III</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
III(P), IV(P), IP(P) Augment with off-watch personnel.						
INT 1.11 Maintain radar scope photography capability.	F	P		P	P	E
III(P), IV(P), IP(P) Augment with off-watch personnel.						
INT 2 - Provide intelligence.						
INT 2.1 Maintain intelligence summary plots on air, surface, and subsurface activities.	F	F		F	F	
INT 2.2 Evaluate and disseminate intelligence information.	F	F		F	F	
INT 3 - Conduct surveillance and reconnaissance.						
INT 3.2 Conduct overt surveillance and reconnaissance operations.	F	F				
INT 4 - Provide the capability to conduct ocean surveillance operations against targets of interest.						
INT 4.1 Provide the capability to detect and locate targets of interest.	F	F		F		E
INT 4.2 Provide the capability to classify and identify targets of interest.	F	F		F		
INT 4.3 Provide the capability to track targets of interest.	F	F		F		

24 MAY 1988

	<u>I</u>	<u>III</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
h. <u>LOGISTICS (LOG)</u>						
LOG 1 - Conduct underway replenishment.						
LOG 1.1 Transfer ammunition underway.			F			
LOG 1.2 Transfer ammunition underway by STREAM.			F			
LOG 1.3 Transfer cargo underway.			F			
LOG 1.4 Transfer cargo underway by STREAM.			F			
LOG 1.5 Transfer missiles underway.			F			
LOG 1.6 Transfer missiles underway by STREAM.			F			
LOG 1.11 Provide vertical replenishment underway.			P			
R(P) Helicopters are not organic to these ships						
LOG 1.12 Replenish other units underway with limited fuel, provisions, munitions, potable and feed water.			F			
LOG 1.13 Transfer nuclear weapons underway.			F			
LOG 1.14 Transfer nuclear weapons underway by STREAM.			F			
LOG 2 - Transfer/receive cargo and personnel.						
LOG 2.2 Provide facilities and personnel for material, mail, and passenger handling.	F		F	F	F	

	<u>I</u>	<u>III</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
LOG 2.3 Act as a transient personnel receiving station.					F	
LOG 2.4 Transfer and receive personnel by helo. III(P), IV(P), IP(P) Augmented with special detail.		P	F	P	P	E
LOG 2.5 Transfer personnel and light freight by highline.			F			
LOG 3 - Provide sealift for cargo and personnel.						
LOG 3.1 Provide stowage and berthing spaces for equipment and personnel during transit.	F	F	F	F	F	
LOG 3.2 Provide small boat services for transfer of personnel, cargo, weapons, provisions and supplies.					F	
LOG 4 - Support ships and aircraft in supplies, ordnance and other services.						
LOG 4.2 Stock, maintain, issue, and provide security for weapons, ammunition pyrotechnics and acoustic evasion devices.	F	F	F	F	F	
LOG 4.4 Provide another unit with:						
(1) Steam					F	
(2) Electrical power					F	
(5) Fresh water					F	
(6) Feed Water					F	

24 MAY 1988

	<u>I</u>	<u>III</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
i. <u>MINE WARFARE (MIW)</u>						
MIW 6 - Conduct magnetic silencing (degaussing, deperming, etc.)						
MIW 6.7 Maintain magnetic signature limits.	F	F	F	F	F	
j. <u>MOBILITY (MOB)</u>						
MOB 1 - Steam to designed capability and in the most fuel efficient manner.						
MOB 1.1 Steam at full power.	F	F	F	F		
MOB 3 - Prevent and control damage.						
MOB 3.1 Control fire, flooding, electrical, structural, propulsion and hull casualties.	F	P	P	P	P	A
III(P), R(P), IV(P) Watch section personnel and sounding/security watch provide damage control surveillance.						
IP(P) Duty DC party.						
MOB 3.2 Counter and control NBC contaminants/agents.	F	P	P	P	P	
III(P), R(P), IV(P) Reduced capability only until Condition I set.						
IP(P) Reduced capability due to personnel ashore.						
MOB 3.3 Maintain security against unfriendly acts.	F	F	F	F	F	
MOB 3.4 Cope with nuclear weapon incidents/accidents.	F	P	P	P	P	E

24 MAY 1988

		<u>I</u>	<u>III</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
	III(P), R(P), IV(P), IP(P) Partial accident/incident team required.						
MOB 3.5	Provide damage control security/surveillance.	F	F	F	F	F	
MOB 3.8	Provide emergency breath- ing devices per ship's allowance.	F	F	F	F	F	
MOB 5	- Maneuver in formation.	F	F	F	F		
MOB 7	- Perform seamanship, airman- ship and navigation tasks.						
MOB 7.1	Navigate under all condi- tions of geographic loca- tion, weather, and visibility.	F	P	P	P		E
	III(P), R(P), IV(P) Augmented by special detail.						
MOB 7.2	Conduct precision anchoring.	P	P		P		E
	I(P) May require securing personnel from Condition I stations.						
	III(P), IV(P) Augmented by special detail.						
MOB 7.3	Get underway, moor, anchor, and sortie with duty section in a safe manner.					P	A
	IP(P) will require recall of personnel if more than 4 section liberty requirements are met.						
MOB 7.6	Abandon/scuttle ship rapidly.	F	P	P	P		E

24 MAY 1988

		<u>I</u>	<u>III</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
	R(P), III(P), IV(P) Augmented by special detail.						
MOB 7.7	Provide lifeboat/raft capacity per unit's allowance.	F	F	F	F		
MOB 7.8	Tow or be towed (Towing engine not required).	P	P		P		E
	I(P), III(P), IV(P) Augmented by special detail.						
MOB 7.9	Operate day and night and under all weather conditions.	F	F	F	F		
MOB 7.10	Conduct undetected transits.	F	F	F	F		
MOB 10 - Replenish at sea.							
MOB 10.1	Receive vertical replenish- ment.		P	F	P	P	E
	III(P), IV(P), IP(P) Aug- mented by special detail.						
MOR 10.2	Receive fuel while under- way (alongside method).			F			
MOB 10.3	Receive munitions and provisions while underway.			F			
MOB 10.4	Receive potable and/or feed water while underway.			F			
MOR 10.5	Receive COD/VOD aircraft.		P	F	P	P	E
	III(P), IV(P), IP(P) Augment by special detail.						
MOB 12 - Maintain the health and well-being of the crew.							

	<u>I</u>	<u>III</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
MOB 12.1 Ensure all phases of food service operations are conducted consistent with approved sanitary procedures and standards.	P	F	F	F	F	
I(P) Battle Messing only.						
MOB 12.2 Ensure the operation of the potable water system in a manner consistent with approved sanitary procedures and standards.		F	F	F	F	
MOB 12.3 Monitor to ensure the protection of personnel from overexposure to hazardous levels of radiation, temperature, noise, vibration, and toxic substances in accordance with current instructions.		F	F	F	F	
k. <u>NONCOMBAT OPERATIONS (NCO)</u>						
NCO 2 - Provide administrative and supply support for own unit.						
NCO 2.1 Provide supply support services.	P	F	F	F	F	
I(P) SK available for emergency issue.						
NCO 2.2 Provide clerical services.		F		F	P	
IP(P) Limited due to personnel ashore.						
NCO 2.3 Provide disbursing services.		F		F	F	
NCO 2.4 Provide post office services.		F		F	P	
IP(P) Limited due to personnel ashore.						

24 MAY 1988

	<u>I</u>	<u>III</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
NCO 2.5 Provide messing facilities.	P	F	F	F	F	
I(P) Battle messing.						
NCO 2.6 Provide ships service facilities.		F		F	F	
NCO 2.7 Provide inventory and custodial services.		F	P	F	P	E
R(P), IP(P) Augmented by special detail.						
NCO 2.8 Provide personnel for living space maintenance.		F		F	F	
NCO 2.9 Provide personnel for area command security.					F	
NCO 2.11 Provide personnel for fuels support.			F		F	
NCO 2.12 Conduct human resources availability activities and inspections.				F	F	
NCO 3 - Provide upkeep and maintenance of own unit.						
NCO 3.1 Provide organizational level maintenance.		F		F	F	
NCO 3.2 Repair own unit's equipment.		F		F	F	
NCO 4 - Provide closed-circuit television support for own unit.		F		F	F	
NCO 5 - Conduct meteorological, hydrographic and/or oceanographic collection operations or surveys.						
NCO 5.1 Collect and disseminate meteorological information.	P	P	P	P	P	

24 MAY 1988

	<u>I</u>	<u>III</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
I(P), III(P), R(P), IV(P), IP(P) Limited to synoptic reports.						
NCO 5.2 Collect and disseminate hydrographic information.	P	P	P	P	P	
I(P), III(P), R(P), IV(P), IP(P) Limited to synoptic reports.						
NCO 6 - Provide nuclear weapons readiness for ship's/ squadron's weapons system.						
NCO 6.1 Provide stowage and transportation for design- ated weapons.	F	F	F	F	F	
NCO 6.2 Provide security for nuclear weapons.	F	F	F	F	F	
NCO 6.3 Load and unload nuclear weapons.			F		F	E
NCO 7 - Provide special technical research.						
NCO 7.1 Serve as a platform for special technical research operations.				F	F	
NCO 7.2 Conduct special technical research operations.				F	F	
NCO 8 - Serve as a platform for operational test and evalua- tion of systems, equipment, and tactics.						
NCO 8.1 Provide technical assist- ance for installed test and evaluation equipments.				F	F	
NCO 8.2 Perform the test and evaluation functions set				F	F	

24 MAY 1988

	<u>I</u>	<u>III</u>	<u>R</u>	<u>IV</u>	<u>IP</u>	<u>OFF/W</u>
forth in the appropriate test plans.						
NCO 8.3 Perform the evaluation functions set forth in appropriate TACMEMOS.				F	F	
NCO 10 - Provide emergency/disaster assistance.						
NCO 10.1 Provide emergency flooding/fire fighting assistance to another unit.	P	P		P	P	E
I(P) Special detail must be secured.						
III(P), R(P), IV(P) Augmented by special detail.						
IP(P) Capability reduced due to personnel ashore.						
NCO 10.2 Provide assistance for nuclear incident/accident in another unit.	P	P	P	P	P	E
I(P), III(P), IV(P), IP(P) Augmented by special detail.						
NCO 10.3 Provide Explosive Ordnance Disposal (EOD) assistance.	P	P	P	P	P	E
I(P), III(P), R(P), IP(P) Capability available only when EOD team embarked.						
NCO 10.4 Provide disaster assistance and evacuation.		P		P	P	E
III(P), IV(P), IP(P) Augmented by special detail.						